

# Power Cost Memorandum Fuel Cost Update

Date: October 21, 2021

Utility Name (416) <b>City of Nikolai d/b/a Nikolai Light &amp; Power</b>	Utility File No. <b>PC04-0917H</b>	Date Filed : <b>October 1, 2021</b>
--	---------------------------------------	--

PCE AMOUNT SUMMARY	Previously Approved PC04-0917G	Staff Recommended Amount and Effective Date PC04-0917H
Class Rate	<u>Date Approved:</u> July 1, 2021	October 22, 2021
ALL	\$0.4778	\$0.5107
<input type="checkbox"/> Interim <input checked="" type="checkbox"/> Permanent <span style="float: right;"><input type="checkbox"/> Interim    <input checked="" type="checkbox"/> Permanent</span>		

Prior Fuel Purchase Price: \$ 4.6324	New Fuel Purchase Price: \$ 4.9501
<input type="checkbox"/> Actual <input checked="" type="checkbox"/> Weighted	<input type="checkbox"/> Actual <input checked="" type="checkbox"/> Weighted
Delivery Charge: _____	Surcharge Change: Previous <u>0.4</u> Updated <u>0.4</u>

Weighted Average Fuel Price/Gal. Calculation					Weighted Average
	Gallons		Price	=	Cost
On-hand before deliv.	-	X	4.6324	=	-
Delivered	28,807	X	4.9501	=	142,597.53
	<u>28,807</u>				<u>\$ 142,597.53</u>
					<u>\$ 4.9501</u>

Signed: *Brenda Cox*  
Brenda Cox

Utility Financial Analyst

**Commission decision re. this recommendation :**

	Date (if different from 10/21/21)	I CONCUR	I DO NOT CONCUR	I WILL WRITE A DISSENTING STATEMENT *
Pickett		<u>RMP</u> RMP		
Kurber		<u>JWW</u> for KKI JWW		
Scott		<u>AGS</u> AGS		
Sullivan		<u>RMP</u> for DS RMP		
Wilson		<u>JWW</u> JWW		

*Special Instructions to Staff:*

\* If this column is initialed, Staff will contact the Commissioner for the statement, otherwise, dissent will simply be noted at the close of the By Direction Letter or Order.

# City of Nikolai d/b/a Nikolai Light & Power

POWER COST EQUALIZATION CALCULATION  
FOR TEST PERIOD ENDING JUNE 30, 2017  
**Fuel Cost Update**

Appendix 1

	PC04-0917G	PC04-0917H
	Prior Commission Approval	Utility Request Staff Recommended
A. Total kWh Generated	414,567	414,567
B. Total kWh Sold (Appendix 2)	361,227	361,227
C. Total Non-Fuel Costs (Appendix 2)	71,416	71,416
D. <b>Non-Fuel Cost/kWh (C / B)</b>	<b>\$0.1977</b>	<b>\$0.1977</b>
E. Total Fuel Costs (Appendix 2)	182,600	195,123
F. <b>Fuel Costs/kWh ( E / B)</b>	<b>\$0.5055</b>	<b>\$0.5402</b>
G. Eligible Costs/kWh (D + F)	\$0.7032	\$0.7379
H. <b>Eligible Cost/kWh (G) Less 20.03 cents/kWh</b>	<b>\$0.5029</b>	<b>\$0.5376</b>
I. Lesser of (H) or 79.97 cents/kWh	\$0.5029	\$0.5376
J. Average Class Rates (Appendix 3)		
ALL	\$0.6997	\$0.6997
Class Power Cost Equalization Per kWh Payable		
K. Lesser of: (I) x 95% or (J)		
ALL	\$0.4778	\$0.5107
L. <b>Funding Level in Effect</b>	<b>100%</b>	<b>100%</b>
<b>ALL</b>	<b>\$0.4778</b>	<b>\$0.5107</b>

PC04-0917H  
Appendix 1

# City of Nikolai d/b/a Nikolai Light & Power

Appendix 2

## SCHEDULE OF ELIGIBLE POWER COSTS, SALES, AND EFFICIENCY FOR TEST PERIOD ENDING JUNE 30, 2017 Fuel Cost Update

		PC04-0917G		PC04-0917H	
		Prior Commission Approval	Per Utility	Staff Recommended	
<b>Non-Fuel Costs:</b>					
A.	Personnel Costs	48,719	48,719	48,719	
B.	Operating Expenses	3,218	3,218	3,218	
C.	General & Administrative	4,373	4,373	4,373	
D.	Depreciation	15,106	15,106	15,106	
E.	Interest Expense	0	0	0	
F.	Other (Describe)	0	0	0	
G.	<b>Total Non-Fuel Costs</b>	<b>\$71,416</b>	<b>\$71,416</b>	<b>\$71,416</b>	
Fuel Costs:					
H.	Gallons Consumed for Electric Generation	39,418	39,418	39,418	
I.	Price of Fuel: Weighted Average	\$4.6324	\$4.9501	\$4.9501	
J.	<b>Total Fuel Costs</b>	<b>\$182,600</b>	<b>\$195,123</b>	<b>\$195,123</b>	
K.	kWh Sales	361,227	361,227	361,227	
L.	kWh Generated	414,567	414,567	414,567	
M.	kWh Station Service	11,716	11,716	11,716	
N.	Efficiency (L / H)	≥ 10.50	10.52	10.52	
O.	Line Loss	≤ 12%	10.04%	10.04%	
Weighted Average Cost of Fuel					
	<u>Gallons</u>		<u>Price</u>	<u>Cost</u>	<u>Weighted Average</u>
On-hand before deliv.	-	X	4.6324	\$0.00	
Delivered	<u>28,807</u>	X	4.9501	<u>\$142,597.53</u>	
	<u>28,807</u>			<u>\$142,597.53</u>	<b>\$4.9501</b>

PC04-0917H  
Appendix 2

## Calculation of Average Class Rate per kWh

Rate Schedule: All

(1) kWh by Block	(2) Rate (\$/kWh)	(3) Surcharge If Applicable (\$/kWh)	(4) Total (\$/kWh) (2+3)	(5) Total \$ (1x4)	(6) Avg. (\$/kWh) (5)/(1)	(7) Avg. Rate (\$/kWh) - \$0.2003 /kWh
500	0.5000	0.4000	0.9000	450.00	0.9000	0.6997
500				450.00	0.9000	0.6997
<b>TOTAL (A)</b>						<b>(E)</b>

## Computation of Community Facilities Average Rate

Rate Schedule: Community Facility

	(A) Rate (\$/kWh)	(B) Surcharge If Applicable (\$/kWh)	(C) Total Rate (\$/kWh) (A+B)	(7) Avg. Rate (\$/kWh) - \$0.2003 /kWh
0 to ∞	0.5000	0.4000	0.9000	0.6997
Next to				
Next to				
Next to				
Next to				

# City of Nikolai d/b/a Nikolai Light & Power

	Date	Gallons	Cost Per Gallon	Delivery /Mark up per gallon	Total Cost
Beginning Fuel Inventory		-			
Last Approved Fuel Cost/Gal.			\$ 4.6324		
Beginning Fuel Inventory in Gallons	X	Last Approved Fuel Cost/Gal. = Beginning Fuel Inventory Cost --->		\$	-
Reporting Period Purchases	10/09/20	3,200	4.3700		13,984
	01/18/21	3,200	4.7370		15,158
	02/15/21	3,200	4.9370		15,798
	03/08/21	3,207	5.2800		16,933
	03/24/21	3,200	5.0200		16,064
	05/03/21	3,200	5.0760		16,243
	05/20/21	3,200	5.1020		16,326
	05/24/21	3,200	4.9770		15,926
	06/10/21	3,200	5.0520		16,166
					-
					-
					-
					-
					-
					-
					-
					-
					-
					-
					-
					-
					-
Totals for Reporting Period Purchases on this sheet:		28,807			142,598
Grand Totals (beginning inventory plus purchases)		28,807		\$	142,598
Total Cost for Reporting Period divided by Total Gallons for Reporting Period =				\$	4.9501
Grand Total Cost divided by Grand Total Gallons =				\$	4.9501

Signature:   
 Email: bob.pickett@alaska.gov

Signature:   
 Email: antony.scott@alaska.gov

Signature: Janis W. Wilson  
Janis W. Wilson (Oct 21, 2021 11:22 AKDT)  
 Email: janis.wilson@alaska.gov